

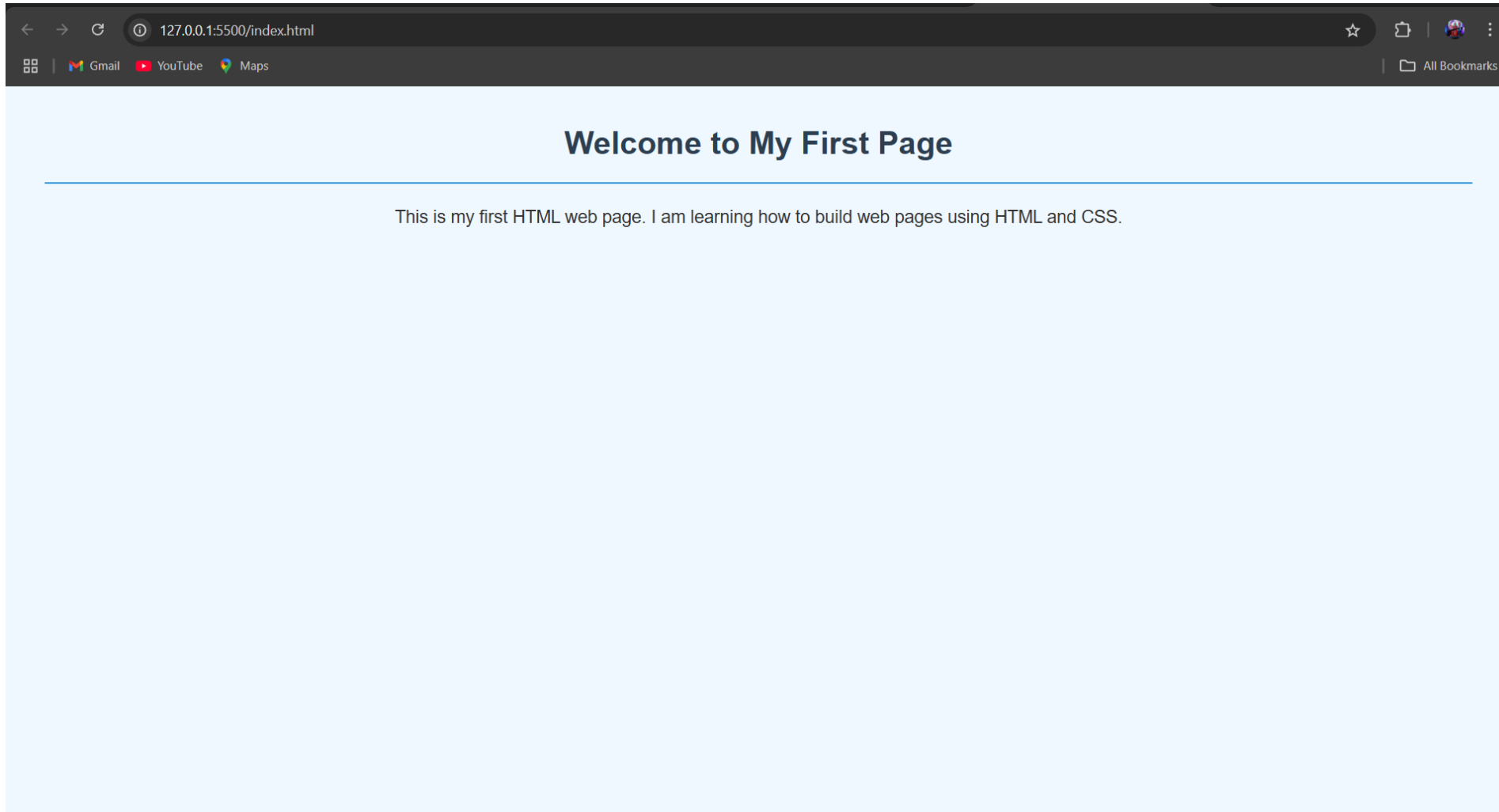
## 1) Create a Basic Web Page

Write the HTML code to create a simple web page with a title “My First Page”, a heading, a paragraph, and a horizontal line.

```
index.html X # style.css
index.html > html > head
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>My First Page</title>
6   <link rel="stylesheet" href="style.css">
7
8 </head>
9 <body>
10
11   <h1>Welcome to My First Page</h1>
12
13   <hr>
14
15   <p>This is my first HTML web page. I am learning how to build web pages using HTML and CSS.</p>
16
17 </body>
18 </html>
19
```

```
# style.css > ...
1
2
3
4 body {
5   font-family: Arial, sans-serif;
6   background-color: #f0f8ff;
7   margin: 40px;
8   color: #333;
9 }
10
11 h1 {
12   color: #2c3e50;
13   text-align: center;
14 }
15
16 hr {
17   border: none;
18   height: 2px;
19   background-color: #3498db;
20   margin: 20px 0;
21 }
22
23 p {
24   font-size: 18px;
25   line-height: 1.6;
26   text-align: center;
27 }
28
```

# 1)OUTPUT



2)Build a Personal Profile Page Create an HTML page that includes your name (using <h1>), a short biography (using <p>), a list of your hobbies (using <ul>), and a photo of yourself (using <img>).

```
index.html X # style.css
index.html > html > body > div.container > ul > li
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <title>My Profile Page</title>
6 <link rel="stylesheet" href="style.css">
7 </head>
8 <body>
9
10 <div class="container">
11 
12 <h1>Vinuth Poojary</h1>
13 <p>
14 Hello! I'm Vinuth Poojary, a web development enthusiast passionate about designing and building elegant websites.
15 I love learning new technologies and bringing ideas to life on the web.
16 </p>
17 <h2>My Hobbies</h2>
18 <ul>
19 <li>Coding and Web Development</li>
20 <li>Reading </li>
21 <li>Listening to Music</li>
22 <li>Playing VolleyBall</li>
23 </ul>
24 </div>
25
26
27 </body>
28 </html>
29
30
```

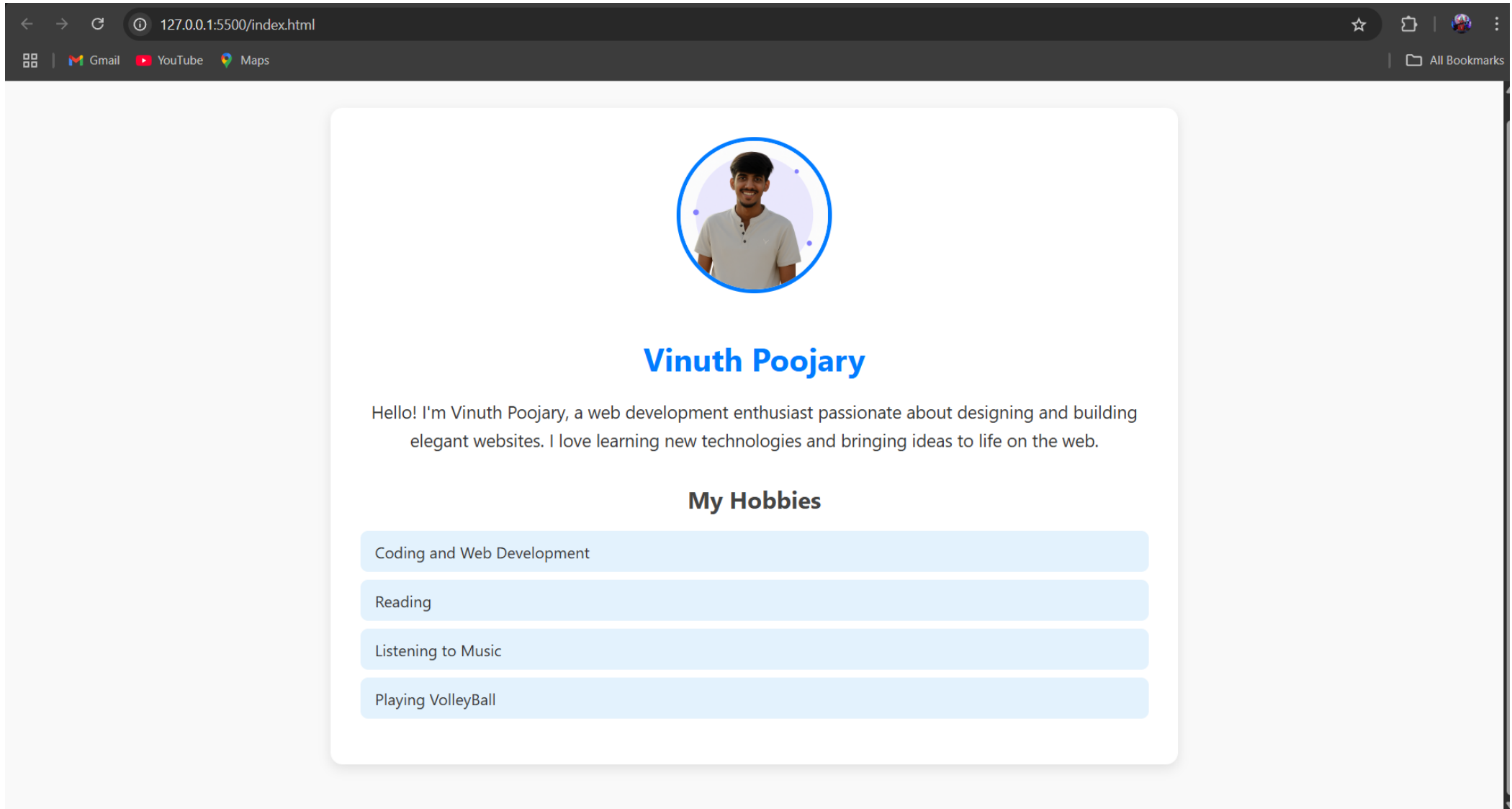
```
# style.css > ul li
1 body {
2   font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
3   background-color: #f9f9f9;
4   color: #333;
5   margin: 0;
6   padding: 0;
7 }
8
9 .container {
10   max-width: 800px;
11   margin: 50px auto;
12   background: white;
13   padding: 30px;
14   border-radius: 12px;
15   box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
16   text-align: center;
17 }
18
19 img {
20   width: 150px;
21   height: 150px;
22   border-radius: 50%;
23   object-fit: cover;
24   border: 4px solid #007bff;
25   margin-bottom: 20px;
26 }
27
28 h1 {
29   font-size: 32px;
30   margin-bottom: 10px;
31   color: #007bff;
32 }
33
34 p {
35   font-size: 18px;
36   margin-bottom: 30px;
37   line-height: 1.6;
38 }
```

```
h2 {
  font-size: 24px;
  margin-bottom: 15px;
  color: #444;
}

ul {
  list-style: none;
  padding: 0;
}

ul li {
  background-color: #e3f2fd;
  padding: 10px 15px;
  margin: 8px 0;
  border-radius: 8px;
  text-align: left;
}
```

# 2)OUTPUT

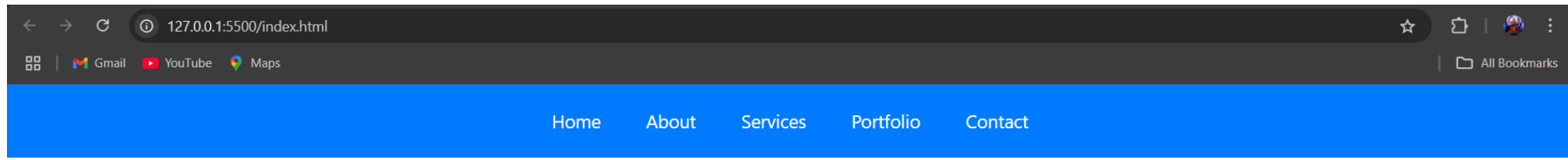


### 3) Navigation Menu using Links Design a navigation bar using anchor (<a>) tags that link to five different sections of a webpage: Home, About, Services, Portfolio, and Contact.

```
< index.html X # style.css
index.html > html > body
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7   <link rel="stylesheet" href="style.css">
8 </head>
9 <body>
10
11 <div class="navbar">
12   <a href="#home">Home</a>
13   <a href="#about">About</a>
14   <a href="#services">Services</a>
15   <a href="#portfolio">Portfolio</a>
16   <a href="#contact">Contact</a>
17 </div>
18
19
20
21 </body>
22 </html>
```

```
index.html # style.css X
# style.css > .navbar a:hover
1 body {
2   margin: 0;
3   font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
4 }
5
6 .navbar {
7   background-color: #007BFF;
8   overflow: hidden;
9   padding: 10px 0;
10  text-align: center;
11 }
12
13 .navbar a {
14   color: white;
15   text-decoration: none;
16   padding: 14px 20px;
17   display: inline-block;
18   font-size: 18px;
19   transition: background-color 0.3s;
20 }
21
22 .navbar a:hover {
23   background-color: #0056b3;
24   border-radius: 5px;
25 }
26
27 h2 {
28   color: #007BFF;
29 }
```

### 3)OUTPUT



#### 4) Student Information Table Create an HTML table displaying student data: Name, Roll No, Department, and Marks in 3 subjects. Include column headers using <th>.

```
1 <h2>Student Information</h2>
2
3 <table>
4   <tr>
5     <th>Name</th>
6     <th>Roll No</th>
7     <th>Department</th>
8     <th>Mathematics</th>
9     <th>Chemistry</th>
10    <th>Physics</th>
11  </tr>
12  <tr>
13    <td>Vinuth Poojary</td>
14    <td>101</td>
15    <td>Electronics</td>
16    <td>85</td>
17    <td>78</td>
18    <td>92</td>
19  </tr>
20  <tr>
21    <td>Manoj</td>
22    <td>102</td>
23    <td>Computer Science</td>
24    <td>88</td>
25    <td>90</td>
26    <td>84</td>
27  </tr>
28  <tr>
29    <td>Anita</td>
30    <td>103</td>
31    <td>Mechanical</td>
32    <td>75</td>
33    <td>80</td>
34    <td>70</td>
35  </tr>
36 </table>
```

```
index.html x style.css x
# style.css > tr: hover
1
2 body {
3   font-family: Arial, sans-serif;
4   background-color: #f2f4f8;
5   padding: 40px;
6   text-align: center;
7 }
8
9 h2 {
10  color: #2c3e50;
11 }
12
13 table {
14   margin: auto;
15   border-collapse: collapse;
16   width: 80%;
17   background-color: #ffffff;
18   box-shadow: 0 4px 10px rgba(0,0,0,0.1);
19 }
20
21 th, td {
22   padding: 12px 15px;
23   border: 1px solid #ddd;
24 }
25
26 th {
27   background-color: #007bff;
28   color: white;
29   text-transform: uppercase;
30 }
31
32 tr:nth-child(even) {
33   background-color: #f9f9f9;
34 }
35
36 tr: hover {
37   background-color: #e6f2ff;
38 }
39
```

# 4) OUTPUT

127.0.0.1:5500/index.html

☆

Gmail

YouTube

Maps

All Bookmarks

Student Information

NAME	ROLL NO	DEPARTMENT	MATHEMATICS	CHEMISTRY	PHYSICS
Vinuth Poojary	101	Electronics	85	78	92
Manoj	102	Computer Science	88	90	84
Anita	103	Mechanical	75	80	70



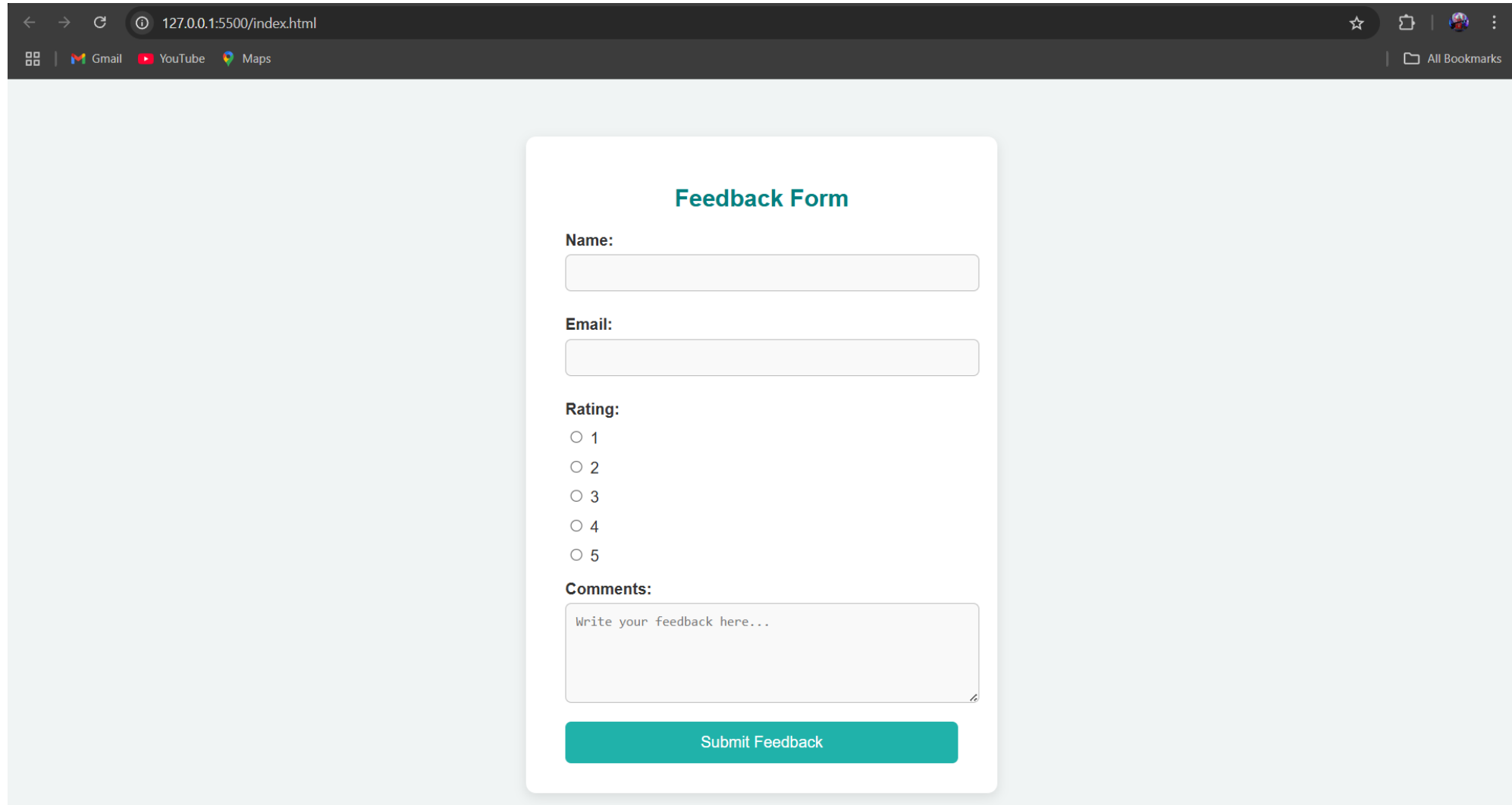
## 5) Design a Feedback Form Write HTML code for a feedback form with input fields for name, email, rating (1–5 using radio buttons), and a comment box. Add a submit button.

```
index.html X # style.css
index.html > html > head > link
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Feedback Form</title>
6   <link rel="stylesheet" href="style.css">
7 </head>
8 <body>
9
10 <form class="feedback-form">
11   <h2>Feedback Form</h2>
12
13   <label for="name">Name:</label>
14   <input type="text" id="name" name="name" required>
15
16   <label for="email">Email:</label>
17   <input type="email" id="email" name="email" required>
18
19   <label>Rating:</label>
20   <div class="rating-group">
21     <label><input type="radio" name="rating" value="1"> 1</label>
22     <label><input type="radio" name="rating" value="2"> 2</label>
23     <label><input type="radio" name="rating" value="3"> 3</label>
24     <label><input type="radio" name="rating" value="4"> 4</label>
25     <label><input type="radio" name="rating" value="5"> 5</label>
26   </div>
27
28   <label for="comments">Comments:</label>
29   <textarea id="comments" name="comments" placeholder="Write your feedback here..."></textarea>
30
31   <input type="submit" value="Submit Feedback">
32 </form>
33
34 </body>
35 </html>
36
```

```
index.html # style.css X
# style.css > input[type="text"]
2 body {
3
4
5   display: flex;
6   justify-content: center;
7   padding-top: 50px;
8 }
9
10 .feedback-form {
11   background-color: #ffffff;
12   padding: 30px 40px;
13   border-radius: 10px;
14   box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
15   width: 400px;
16 }
17
18 .feedback-form h2 {
19   margin-bottom: 20px;
20   color: #008080;
21   text-align: center;
22 }
23
24 label {
25   display: block;
26   margin: 10px 0 5px;
27   font-weight: bold;
28   color: #333;
29 }
30
31 input[type="text"],
32 input[type="email"],
33 textarea {
34   width: 100%;
35   padding: 10px;
36   margin-bottom: 15px;
37   border-radius: 6px;
38   border: 1px solid #bbb;
39   background-color: #f9f9f9;
40 }
41
```

```
42 textarea {
43   resize: vertical;
44   height: 80px;
45 }
46
47 .rating-group {
48   margin-bottom: 15px;
49 }
50
51 .rating-group label {
52   font-weight: normal;
53   margin-right: 10px;
54 }
55
56 input[type="submit"] {
57   width: 100%;
58   padding: 12px;
59   border: none;
60   background-color: #20b2aa;
61   color: white;
62   border-radius: 6px;
63   font-size: 16px;
64   cursor: pointer;
65 }
66
67
```

## 5) OUTPUT



A screenshot of a web browser displaying a feedback form. The browser's address bar shows the URL "127.0.0.1:5500/index.html". The browser's toolbar includes navigation buttons (back, forward, refresh), a search bar, and icons for Gmail, YouTube, and Maps. The feedback form is centered on the page and consists of a title, input fields for Name and Email, a rating section with five radio buttons, a text area for comments, and a submit button.

**Feedback Form**

**Name:**

**Email:**

**Rating:**

☐ 1

☐ 2

☐ 3

☐ 4

☐ 5

**Comments:**

Write your feedback here...

Submit Feedback

## 6) Semantic Layout and Structure

Design a basic webpage layout using semantic elements like <header>, <nav>, <section>, <article>, <aside>, and <footer>.

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Simple Semantic Layout</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

  <header>
    <h1>My Simple Page</h1>
  </header>

  <nav>
    <a href="#">Home</a>
    <a href="#">About</a>
    <a href="#">Services</a>
    <a href="#">Portfolio</a>
    <a href="#">Contact</a>
  </nav>

  <main>
    <section>
      <article>
        <h2>Welcome</h2>
        <p>This is a basic webpage using semantic tags.</p>
      </article>
    </section>

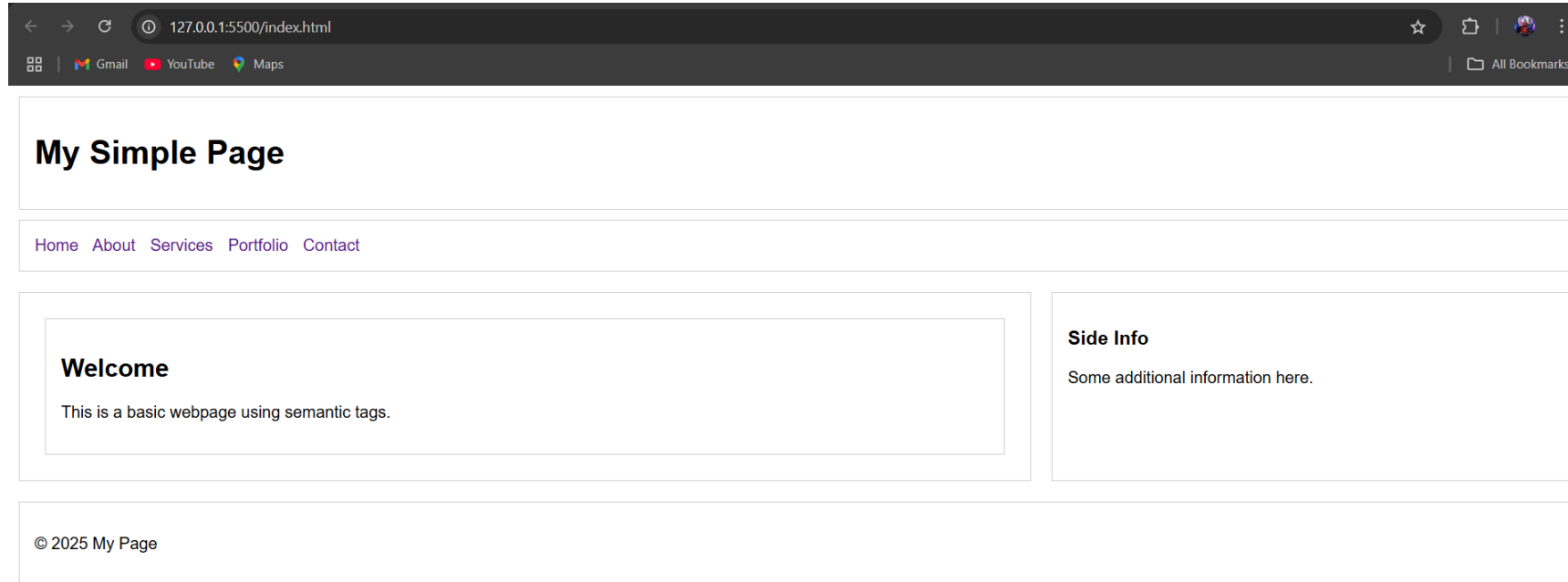
    <aside>
      <h3>Side Info</h3>
      <p>Some additional information here.</p>
    </aside>
  </main>

  <footer>
    <p>© 2025 My Page</p>
  </footer>

</body>
```

```
< index.html # style.css X
# style.css > aside
1  body {
2      font-family: Arial, sans-serif;
3      margin: 0;
4  }
5
6  header, nav, section, article, aside, footer {
7      padding: 15px;
8      border: 1px solid #ccc;
9      margin: 10px;
10 }
11
12 nav a {
13     margin-right: 10px;
14     text-decoration: none;
15 }
16
17 main {
18     display: flex;
19 }
20
21 section {
22     flex: 2;
23 }
24
25 aside {
26     flex: 1;
27 }
```

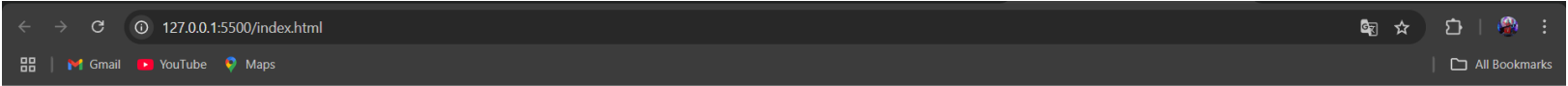
## 6) OUTPUT



## 7) Multimedia Embedding Embed an audio clip and a video clip on a web page. Use <audio> and <video> tags with proper controls.

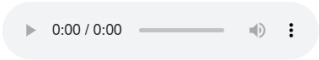
```
<> index.html X # style.css
<> index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <title>Multimedia Embedding</title>
6  </head>
7  <body>
8
9    <h1>Multimedia Example</h1>
10
11    <h2>Audio Clip</h2>
12    <audio controls>
13      <source src="audio.mp3" type="audio/mpeg">
14      Your browser does not support the audio element.
15    </audio>
16
17    <h2>Video Clip</h2>
18    <video width="400" controls>
19      <source src="video.mp4" type="video/mp4">
20      Your browser does not support the video tag.
21    </video>
22
23  </body>
24  </html>
25
```

# 7)OUTPUT

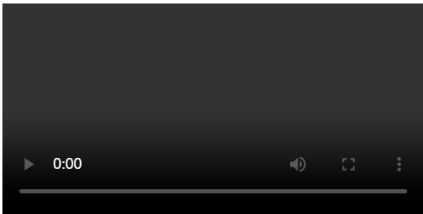


## Multimedia Example

### Audio Clip



### Video Clip



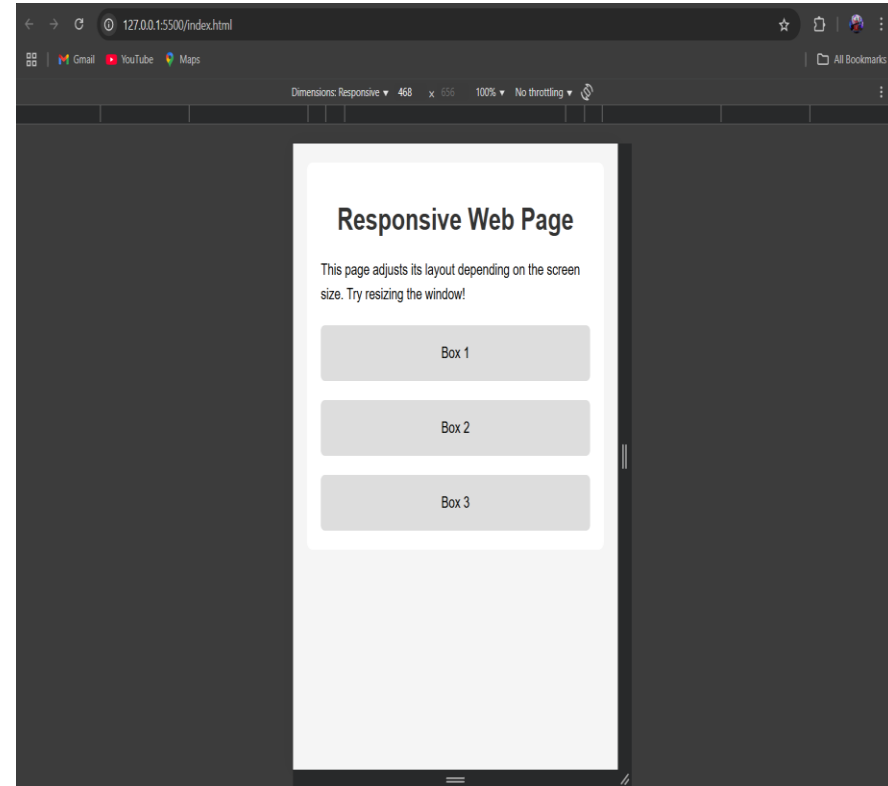
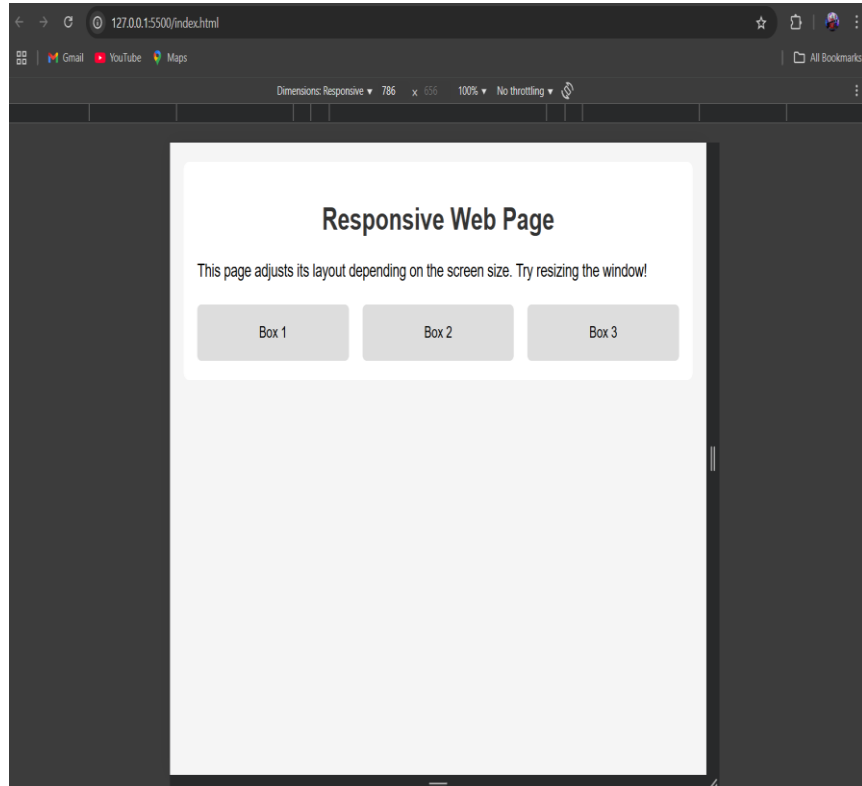
## 8) Responsive Design Practice Use the viewport meta tag and write basic CSS inside a <style> tag to make a web page look good on both mobile and desktop screens.

```
index.html X # style.css
index.html > html > head > meta
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Responsive Design Example</title>
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 </head>
8 <body>
9
10   <div class="container">
11     <h1>Responsive Web Page</h1>
12     <p>This page adjusts its layout depending on the screen size. Try resizing the window!</p>
13
14     <div class="box">
15       <div>Box 1</div>
16       <div>Box 2</div>
17       <div>Box 3</div>
18     </div>
19   </div>
20
21 </body>
22 </html>
23
```

```
index.html # style.css X
# style.css > ...
1
2   body {
3     font-family: Arial, sans-serif;
4     margin: 0;
5     padding: 20px;
6     background-color: #f5f5f5;
7   }
8
9   .container {
10     background-color: white;
11     padding: 20px;
12     border-radius: 8px;
13     max-width: 800px;
14     margin: auto;
15   }
16
17   h1 {
18     text-align: center;
19     color: #333;
20   }
21
22   p {
23     font-size: 18px;
24     line-height: 1.6;
25   }
26
27   .box {
28     display: flex;
29     gap: 20px;
30     margin-top: 20px;
31   }
32
33   .box div {
34     flex: 1;
35     padding: 20px;
36     background-color: #ddd;
37     border-radius: 6px;
38     text-align: center;
39   }
40
```

```
}
@media (max-width: 600px) {
  .box {
    flex-direction: column;
  }
  p {
    font-size: 16px;
  }
}
```

## 8) OUTPUT





## 9)Use of Iframe

Create a web page that displays another website (like Wikipedia) inside an <iframe>. Add headings and descriptions around it.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Iframe Example</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

  <h1>Embedded Website Using Iframe</h1>
  <p>Below is a live view of the Wikipedia homepage, embedded using an iframe element.</p>

  <iframe src="https://www.mozilla.org/en-US/about/" title="Example Website"></iframe>

</body>
</html>
```

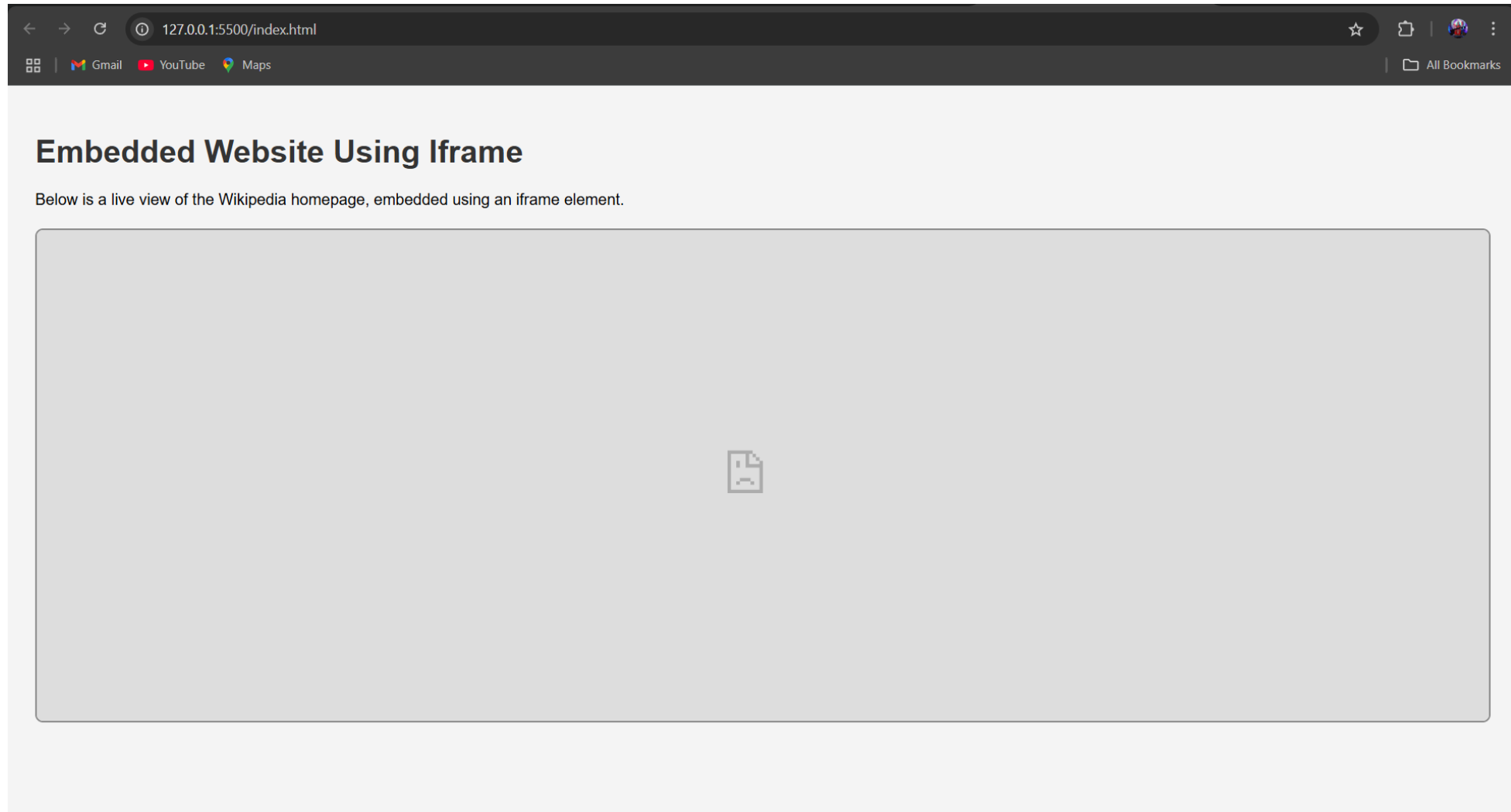
```
body {
  font-family: Arial, sans-serif;
  padding: 20px;
  background-color: #f4f4f4;
}

h1 {
  color: #333;
}

iframe {
  width: 100%;
  height: 500px;
  border: 2px solid #888;
  border-radius: 8px;
}

p {
  margin-bottom: 20px;
  font-size: 16px;
}
```

# 9)OUTPUT



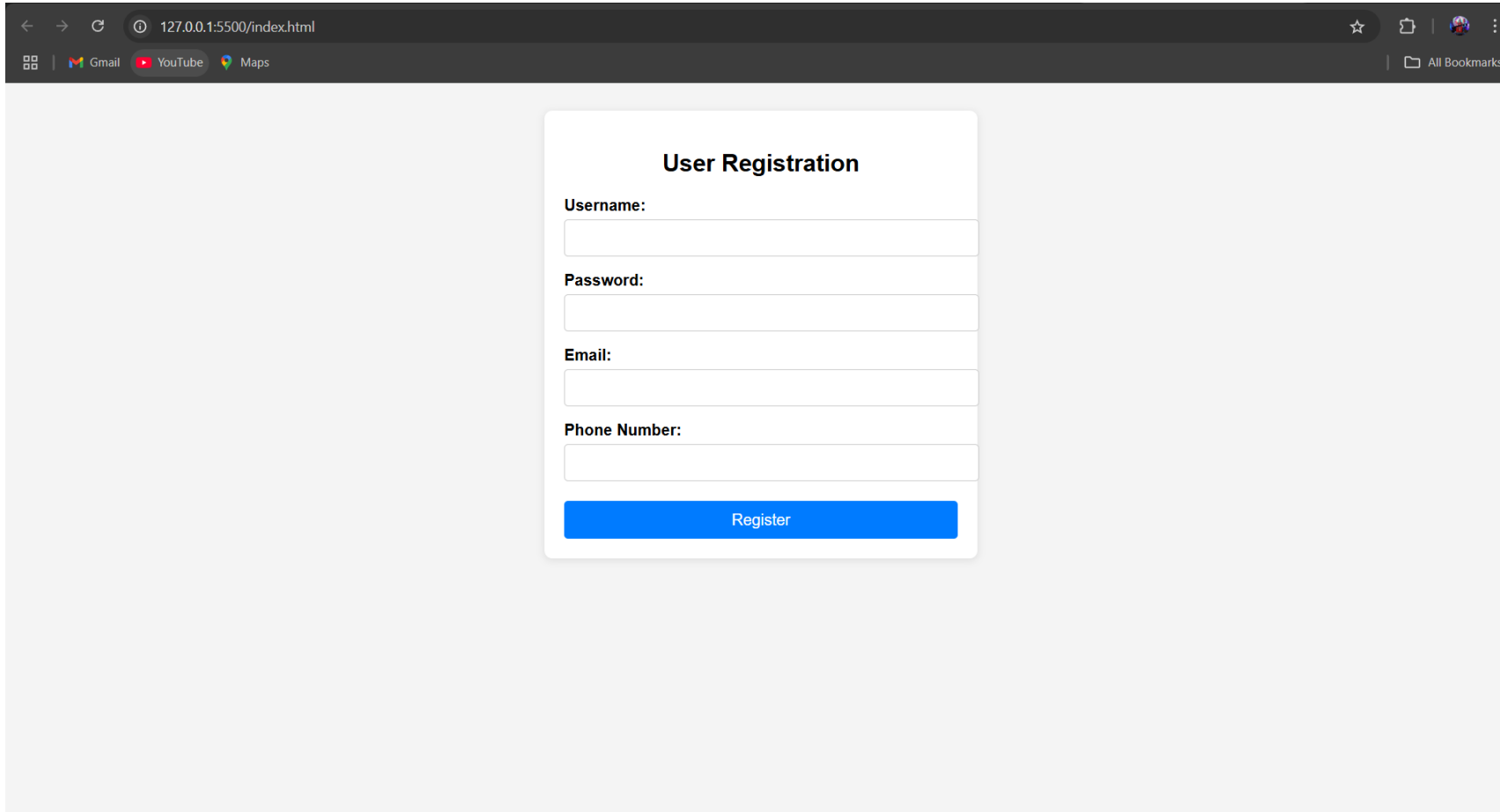
## 10) Form Validation Practice

Create an HTML form for user registration with fields: Username, Password, Email, and Phone Number. Use appropriate input types and include required and pattern attributes for validation.

```
index.html X # style.css
index.html > html > head > link
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <title>User Registration</title>
6 <link rel="stylesheet" href="style.css">
7
8 </head>
9 <body>
10
11 <form>
12 <h2>User Registration</h2>
13
14 <label for="username">Username:</label>
15 <input type="text" id="username" name="username" required minlength="3" maxlength="15">
16
17 <label for="password">Password:</label>
18 <input type="password" id="password" name="password" required pattern=".{6,}" title="Password must be at least 6 characters">
19
20 <label for="email">Email:</label>
21 <input type="email" id="email" name="email" required>
22
23 <label for="phone">Phone Number:</label>
24 <input type="tel" id="phone" name="phone" required pattern="[0-9]{10}" title="Enter 10-digit phone number">
25
26 <button type="submit">Register</button>
27 </form>
28
29 </body>
30 </html>
31
```

```
<> index.html X # style.css X
# style.css > ...
3 body {
4
5 padding: 20px;
6 background-color: #f4f4f4;
7 }
8
9 form {
10 background-color: #fff;
11 padding: 20px;
12 border-radius: 8px;
13 max-width: 400px;
14 margin: auto;
15 box-shadow: 0 2px 8px rgba(0,0,0,0.1);
16 }
17
18 h2 {
19 text-align: center;
20 }
21
22 label {
23 display: block;
24 margin-top: 15px;
25 font-weight: bold;
26 }
27
28 input {
29 width: 100%;
30 padding: 10px;
31 margin-top: 5px;
32 border-radius: 4px;
33 border: 1px solid #ccc;
34 }
35
36 button {
37 margin-top: 20px;
38 padding: 10px;
39 width: 100%;
40 background-color: #007bff;
41 color: white;
42 border: none;
```

# 10)OUTPUT



A screenshot of a web browser displaying a "User Registration" form. The browser's address bar shows the URL "127.0.0.1:5500/index.html". The form is centered on a light gray background and consists of a white box with a blue "Register" button at the bottom. The form fields are labeled "Username:", "Password:", "Email:", and "Phone Number:", each followed by a text input field.

**User Registration**

**Username:**

**Password:**

**Email:**

**Phone Number:**

**Register**